

Receiving Report

Date: 12/11/82
 Supplier: T14506-h

Batch No: m/2 3649
 Dart P/O: 18378

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection 14 9-85 N/A ☒
 Work Order 12 12 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
<u>m 2024</u>	<u>35.63</u>	<u>192</u>	<u>0</u>	<u>0</u>	<u>192</u>	
<u>m606</u>	<u>1765-032</u>	<u>192</u>	<u>0</u>	<u>0</u>	<u>192</u>	
<u>m303</u>	<u>131-00V0-00</u>	<u>12</u>	<u>0</u>	<u>0</u>	<u>12</u>	

Initials of receiver (if shipment OK) Level 12

Production/Admin: 12/11/82
 Date 12/11/82
 Received/Costing 12/11/82
 Initial 12/11/82

Location _____

Purchase Order Receipt Listing

Monday, November 12, 2012 10:38:24 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO18348 Receipt Dates from 11/12/2012 to 11/12/2012 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Rev Date/ Recv Emp	Rev Qty (PO U/M)	Cost Per Unit/ Rev Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd											
PO18348	2		M304S18GA	sf	11/14/2012	11/12/2012	192.0000	\$3.39	0.0000	0	\$650.15
CAD	No		304/316 .050 Sheet	sf	192.0000	DES102		\$650.15	0.0000	0	
			123649								
	4		M6061T6B2.000X01. f	f	11/14/2012	11/12/2012	36.0000	\$6.01	0.0000	0	\$216.22
	No		250								
			6061-T6 Bar 2.00 x	f	36.0000	DES102		\$216.22	0.0000	0	
			1.25								
			123649								
	5		M6061T6B1.000X12. f	f	11/14/2012	11/12/2012	12.5000	\$28.36	0.0000	0	\$354.52
	No		000								
			6061-T6 Bar 1.00 x	f	12.0000	DES102		\$354.52	0.0000	0	
			12.00								
			123649								
	6		M6061T6B1.250X01. f	f	11/14/2012	11/12/2012	12.0000	\$3.67	0.0000	0	\$44.05
	No		250								
			6061-T6 Bar 1.25 x	f	12.0000	DES102		\$44.05	0.0000	0	
			1.25								
			123649								
	7		M6061T6B1.500X01. f	f	11/14/2012	11/12/2012	12.0000	\$4.55	0.0000	0	\$54.65
	No		250								
			6061-T6 Bar 1.50 x	f	12.0000	DES102		\$54.65	0.0000	0	
			1.25								
			123649								
	8		M6061T6B2.500X03. f	f	11/14/2012	11/12/2012	12.0000	\$20.68	0.0000	0	\$248.17
	No		500								
			6061-T6 Bar 2.50 x	f	12.0000	DES102		\$248.17	0.0000	0	
			3.50								
			123649								
	10		M304B0.250X4.000 f	f	11/14/2012	11/12/2012	24.0000	\$7.49	0.0000	0	\$179.70
	No		304 BAR .250 x 4.00 f	f	24.0000	DES102		\$179.70	0.0000	0	
			123649								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
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Total Received Quantity: 300.5000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$1,747.46
 Total Balance Due Quantity: 0.0000

JC

39

B I L L O F L A D I N G

Ship From: THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 794557
Ship Date 09Nov12 at 13:43 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

444

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-507930- 1 Your PO # 18348
STAINLESS STEEL SHEET 304-2B
.0480 Nom X 48.0000" X 96.0000"

Heat Number 300725 Tag No 123096

Quantity 192.00 SFT PCS 6 Wt LBS 364

2) Our Order PEC-507930- 2 Your PO # 18348
ALUMINUM FLAT BAR 6061-T6511
1.250" x 2.00" X 144.0000"

Heat Number 2BR820 Tag No 123049

Quantity 36 FT PCS 3 Wt LBS 106

3) Our Order PEC-507930- 3 Your PO # 18348
ALUMINUM FLAT BAR ECONOPLT 6061-T6511
1.00" X 12.00" X 144.5000"

Heat Number Z00014033 Tag No 123050

Quantity 12 PCS 1 Wt LBS 171

4) Our Order PEC-507930- 4 Your PO # 18348
Part # STOCKED Rel #
ALUMINUM SQUARE BAR 6061-T6511
1.250" X 144.0000"

Heat Number Z00240020 Tag No 123051

Quantity 12 FT PCS 1 Wt LBS 23

5) Our Order PEC-507930- 5 Your PO # 18348
ALUMINUM FLAT BAR 6061-T6511
1.250" x 1.50" X 144.0000"

Heat Number Tag No

Quantity PCS Wt LBS

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

1-Skin
1-BDL
F 6.0

Ship From: B I L L O F L A D I N G
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 794557
Ship Date 09Nov12 at 13:43 From PFW
Probill
Via VIM TRANSFER
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G
Z00261025 123052

12 FT 1 / 27

6) Our Order PEC-507930- 6 Your PO # 18348

ALUMINUM FLAT BAR 6061-T6511

2.50" x 3.50" X 144.0000"

Heat Number

HK297 299

Tag No

123054

Quantity

12 FT

PCS

1

Wt LBS

123

7) Our Order PEC-507930- 7 Your PO # 18348

STAINLESS STEEL FLAT BAR 304L SLIT/EDGED

.250" X 4.00" X 144.0000"

Heat Number

838388

Tag No

123055

Quantity

24 FT

PCS

2

Wt LBS

82

TOTAL:

Tags

7

PCS

15

LBS

896

*** Chemical Analysis ***

Heat Number

2BR820

300725

838388

HK297 299

Z00014033

Z00240020

Z00261025

Signature

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

TOTAL 1 SKID 1 BDL G.W 997 LBS

Page: 2Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMÉRO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 794557
 Ship Date 09Nov12 at 13:43 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL SHEET 304-2B

.0480 Nom X 48.0000" X 96.0000"

PART NO.

PO/Rel 18348

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.


Certificate of Mill Test Results

BL PEC-794557-001

9Nov12

Signed by:

Pg 1/1

 ThyssenKrupp ThyssenKrupp Stainless USA		Type of document / Tipo de documento / Art der Prüfbescheinigung INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document number / N° de certificado / Bescheinigungs-nr. 0000025813 / Page / Pagina / Seite: 1 / 1																	
1 ThyssenKrupp Drive; P.O. Box 13000; Calvert, AL 36513-1300 OLBERT METALS SALES LIMITED 989 DERRY ROAD EAST SUITE 305 MISSISSAUGA ON L5T 2J8 CANADA			Customer/Ship to / Cliente / Reparto/Empleador OLBERT METALS SALES LIMITED, MISSISSAUGA Customer's order number / N° de Pedido Cliente / Kundenbestell-nr. TO-1828 Manufacturer's works order no. / N° de Pedido Manufactura / Werksauftrag-nr. 90145653 / 007 Delivery note no. / N° de Entrega / Lieferschein-nr. 85218320 / 070 Product / Producto / Erzeugnis SHEET/HOJAS/BLECH Steel grade and quality / Acero / Stahlart und Gütegruppe TYPE 304L/304																		
Terms of delivery / Condiciones de entrega / Lieferbedingungen ASTM A240/A240M, ASME SA-240 Sec.II Part A Ed.2010 ASTM A480/A480M, ASME SA-480 Sec.II Part A Ed.2010																					
Customer's material no. / N° de material del cliente / Kundenmaterial-Nr. 6033088		Product dimensions (Thickness / Espesor / Ancho / Largo) / Maße des Erzeugnisses (Dicke / Breite / Länge) 1.22 mm x 1,218.20 mm x 2,438.40 mm 0.0480 inch x 48.0000 inch x 96.0000 inch		Certification procedure / Procedimiento de certificado / Herstellart AOD																	
Packing No. / N° de Empaque / Paket-Nr. 6033088		No. of pieces / Piezas / Stückzahl 74		Actual weight / Peso actual / Ist-Gewicht 4,467 lb / 2,026 kg																	
Coil No. / Bobina No. / Band-Nr. 709255		Heat No. / Calent. / Schmelz-nr. 300725		Sample Id. / N° de muestra / Proben-Id. 1000044779																	
Sum / Suma / Summe 74		4,467 lb / 2,026 kg		Sample Id. / N° de muestra / Proben-Id. 1000044780																	
Heat / Calent. / Schmelz 300725		Country of heat / País de calent. / Erzeugnisland ITA		Chemical composition / Composicion Quimica / Chemische Zusammensetzung <table border="1"> <thead> <tr> <th>% C</th> <th>% Si</th> <th>% Mn</th> <th>% P</th> <th>% S</th> <th>% Cr</th> <th>% Ni</th> <th>% N</th> </tr> </thead> <tbody> <tr> <td>0.029</td> <td>0.30</td> <td>1.64</td> <td>0.029</td> <td>0.0010</td> <td>18.14</td> <td>8.04</td> <td>0.062</td> </tr> </tbody> </table>		% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N	0.029	0.30	1.64	0.029	0.0010	18.14	8.04	0.062
% C	% Si	% Mn	% P	% S	% Cr	% Ni	% N														
0.029	0.30	1.64	0.029	0.0010	18.14	8.04	0.062														
Sample Position / Localiz. de la muestra / Probenlage TRANSVERSE																					
Inspection ref. / Ref. de inspeccion / Prüfnr. 1000044779 1000044780		YS0.2% PSI / MPa 41,914 / 289 40,174 / 277		TS PSI / MPa 91,950 / 634 91,805 / 633																	
		EL A2" % 58 57.5		HRB 82 81																	
Dimensions-surface / Dimensiones-Superficie / Maße-Oberfläche Test of identity (spectrum analysis) / Control de identidad (análisis espectroscópico) / Verwechslungsprüfung (Spektralanalyse): No weld repairs No intentional additions of Mercury compounds were made or used Free of radioactive contamination EU RoHS Directive 2002/95/EC Compliant Country of Heat as per ISO 3166-1																					
Originator of the document / Origenador del documento / Aussteller der Bescheinigung ThyssenKrupp Stainless USA, LLC An ISO 9001:2008 certified company Certificate is generated automatically / Certificado es generado automaticamente / Das Zeugnis wurde elektronisch erstellt The information provided is a true copy of data on file / Los valores mostrados corresponden a los datos almacenados / Die angegebenen Werte entsprechen dem gespeicherten Daten Andrew Faucett Phone: +1 251 629 3492 Name of expert / Nombre del experto / Name des Sachverständigen																					
Date of issue and validation / Fecha de emisión y validación / Datum Ausstellung / Belegung 10/03/2012																					

DAS
14
9-89
ok 12/11/13

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLT BAR ECONOPLT 6061-T6511

1.00" X 12.00" X 144.5000"

PART NO.

PO/Rel 18348

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-794557-003

9Nov12

Signed by:

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: PEC-243074-6		CUSTOMER PART NUMBER: W15/STK		PRODUCT DESCRIPTION: 1.000 X 12.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 630694	LINE ITEM: 006	SHIP DATE: 10/26/2012	KAISER LOT NUMBER: Z00014033	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 1016.000 LB	QUANTITY: 6.000 PCS	B/L NUMBER: 604754	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00014033	0001	1	49.6	45.1	14.1	RE 92	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
IC1938	.74	.34	.30	.09	.94	.09	.04	.03	.00	.00	.00	.01	.04

Applicable Requirements:

PER ASIM-B221-12, STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 (2007) UNS# A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Calvin Latting

DAS
14 and 12/11/13
2-89

Plant Serial: 00064951

Kaiser Order Number: 630694

Line Item: C06

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.250" x 1.50" X 144.0000"

PART NO.

PO/Rel 18348

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-794557-005

9Nov12

Signed by:

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-241792-1		CUSTOMER PART NUMBER: ALREC00007		PRODUCT DESCRIPTION: 1.250 X 1.500 SC RECT BAR	
KAISER ORDER NUMBER: 627488	LINE ITEM: 001	SHIP DATE: 09/07/2012	KAISER LOT NUMBER: Z00261025	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 952.000 LB	QUANTITY: 36.000 PCS	S/L NUMBER: 604343	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00261025	0001	1	51.9	48.6	17.0	RE 93	N/A	N/A
Z00261025	0001	2	53.1	49.9	18.3	RE 93	N/A	N/A
Z00261025	0001	3	49.7	46.2	18.7	RE 92	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101954	.71	.28	.25	.08	.94	.09	.02	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-12 STENCILED ASYE-SB221 1998 SECT II AMS-QQ-A-200/3 (2007) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Calvin Latting

AS
14
2-89
12/11/13

Plant Serial: 00058502

Kaiser Order Number: 627488

Line Item: 001

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

STAINLESS STEEL FLAT BAR 304L SLIT/EDGED

.250" X 4.00" X 144.0000"

PART NO.

PO/Rel 18348

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-794557-007

9Nov12

Signed by: _____ Pg 1/1

PHOENIX TUBE COMPANY, INC.

Manufacturer of Stainless Ornamental and Structural Tubing

CERTIFICATION OF TEST

Sold To: THYSSENKRUPP MATERIAL, NA
2821 LANGSTAFF ROAD

Ship To: THYSSENKRUPP MATERIAL, NA
2821 LANGSTAFF ROAD

CONCORD
CAN

ON L4K

CONCORD
CAN

ON L4K

CUSTOMER ORDER#: PEC-242141

CUST REF NBR:

DATE SHIPPED: 09/24/12

SIZE: 4" X 1/4" HRAP

SOURCE: USA D

VENDOR: ALS

Phone# 6699444

Ext:

ORDER#: 286850

QTY SHIPPED: 630.0

GRADE: 304L

NO WELD: BAR

HEAT#: 838388

TEST REPORT#: TR010563

Report Date: 08/30/12

Specification:

CHEMISTRY THIS COLUMN:

ASTMA276-10

ASME SA276-08 COND. A

ASTMA479-11

ASME SA479-10

AMS-QQ-S-763F, COND. A

EN 10204 2.2

ASTMA262, PRACTICE E

CORROSION OK, HRAP

ASTMA484-10

ASME SA484-08

NO WELD REPAIR

ASME SA 480-11

ASTMA240-11a

ASME SA240-11

MILS 5059D AMEND 3

AMS 5639H & AMS 5647J

ASTMA480-11

NACE MR0175/01 / MR0103

TYPE 304L/304 DUAL CERTIFIED

UNS# 30400 / 30403

ASTMA866-10

AMS5511H/AMS5513J

QQ-S-766D, COND. A

DAS
14
2-89
12/11/13

MERCURY IS NOT USED BY US AS AN ALLOYING MATERIAL NOR IS METALLIC MERCURY HANDLED IN THE VICINITY OF OUR PROCESSING LINES. WE ARE NOT PRESENTLY AWARE OF ANY MERCURY CONTAMINATION.

MATERIAL HAS BEEN HEATED TO A MINIMUM OF 1800 DEG. F AND IS SUBSEQUENTLY COOLED RAPIDLY TO PREVENT CARBIDE PRECIPITATION.

Chemical Analysis

C	MN	P	S	SI	CR	NI	MO	CU	CO	N2	TI
.013	1.52	.031	.013	.40	18.23	8.09	.39	.44	0	.07	0

Physical Analysis

Hardness	YIELD		TENSILE		OTHER	
	PSI	MPA	PSI	MPA	Percent EL	Percent RA
RB 88	47900	0	91000	0	55	64

THE CHEMICAL ANALYSES ARE CORRECT AS CONTAINED IN OUR CORPORATE RECORDS.

PHYSICAL PROPERTIES ARE DETERMINED WHILE MATERIAL IS IN STRIP FORM.

Melted & Manufactured in the USA FAR BAA complies, DFARS BAA complies, FAR TAA complies

CERTIFIED BY:

Jane L. Laro

1185 WIN DR. BETHLEHEM, PA., 18017 - (610) 865-5337

FAX NUMBER: 610-865-4073

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM PLAT BAR 6061-T6511
1.250" x 2.00" x 144.0000"
PART NO.

P.O./Ref 18348

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-794557-002

9Nov12
Pg 1/1



MILL TEST REPORT

TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>

BILL TO
THYSSENKRUPP MATERIALS, NA
SHIP TO
THYSSENKRUPP MATERIALS, NA
SO DESCRIPTION
1.25"x2" FB

Cert Code: 1
CUSTOMER PO
PEC-242176
CUSTOMER PART NUMBER
DIE NUMBER
S 22772
ALLOY
6061
TEMPER
T6511
DATE OF SHIPMENT
10/11/2012
SALESMAN
FORBES DODWELL

EXTRUDEX ORDER NO. MANIFEST NO.
150508 — 11
275826

MADE IN CANADA

CERTIFICATION

MILL TEST ASTM B221-12

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Oct/05/12	47.3	41.6	14.80	91.2, 91.6, 90.7	

Chemical Composition

Cast Number	SI	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 2BR820 8081	0.73	0.31	0.35	0.01	1.05	0.08	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

David Natale
Quality Control Manager

DAS
14
12/11/13

1 - CUSTOMER COPY

MILL TEST REPORT

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

1.250" X 144.0000"

PART NO. STOCKED

PO/Rel 18348

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-794557-004

9Nov12

Signed by: _____ Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-241026-6		CUSTOMER PART NUMBER: ALSQ00100		PRODUCT DESCRIPTION: 1.250 SC SQ BAR	
KAISER ORDER NUMBER: 625390	LINE ITEM: 006	SHIP DATE: 08/10/2012	KAISER LOT NUMBER: Z00240020	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1587.000 LB	QUANTITY: 72.000 PCS	B/L NUMBER: 604128	DIAM/DIAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00240020	0001	1	48.4	45.6	15.4	RE 91	N/A	N/A
Z00240020	0001	2	47.9	45.0	13.1	RE 91	N/A	N/A
Z00240020	0001	3	46.6	43.7	16.3	RE 92	N/A	N/A
Z00240020	0001	4	47.6	44.6	16.4	RE 91	N/A	N/A
Z00240020	0001	5	51.8	49.4	16.8	RE 94	N/A	N/A
Z00240020	0001	6	49.7	47.2	15.3	RE 94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
101797	.68	.23	.22	.08	.95	.10	.03	.03	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/3 (2007) UNS#A96061
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

DA
14
2-89
12/11/13

Plant Serial: 00054999

Kaiser Order Number: 625390

Line Item: 006

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6S11

1.250" X 144.0000"

PART NO. STOCKED

PO/Rel 18348

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-794557-004

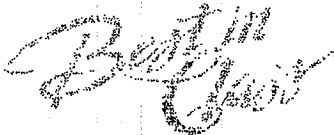
9Nov12

Signed by: _____

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048



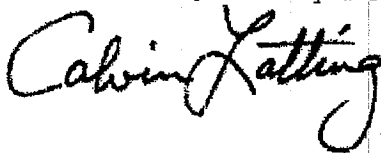
CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager



Plant Serial: 0C054999

Kaiser Order Number: 625390

Line Item: 006

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

2.50" x 3.50" X 144.0000"

PART NO.

PO/Rel 18348

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-794557-006

9Nov12

Signed by:

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: PEC-240910-10		CUSTOMER PART NUMBER: 020484-2		PRODUCT DESCRIPTION: 2.500 X 3.500 SC RECT BAR	
KAISER ORDER NUMBER: 625021	LINE ITEM: 010	SHIP DATE: 08/10/2012	KAISER LOT NUMBER: HK297 299	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 988.000 LB	QUANTITY: 8.000 PCS	B/L NUMBER: 604128	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA			SOLD TO: THYSSENKRUPP MATERIALS NA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS(KSI)	YTS(KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
HK297 299	CC01	0001	47.4	36.7	18.2	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.30	0.00	NA	NA	NA	0.00	0.00
A32921	.68	.35	.23	.07	.95	.11	.03	.02	.00	.00	.00	.00	.01

Applicable Requirements:

ASTM-B221-12 STENCILED ASME-SR221 1998 SECT II AMS-QQ-A-200/8 (2007) UNS#A96C61
(T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (COMMERCE,CA) MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Calvin Latting

DAS
14
9-89
12/11/13

Plant Serial: 00054981

Kaiser Order Number: 625021

Line Item: 010



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18348**

Purchase Order Date 11/07/12

PO Print Date 11/07/12

Page Number 1 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone

905 669 9444

Vendor Fax

905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
12/11/07

m123699

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M6061T6S.032	6061-T6 Sheet 0.032"	11/14/12 Yes	192.00 sf	Yours ppd	\$2.1875	\$420.00
Special Inst: MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER QQ-A-250/11 OR AMS-QQ-A- 250/11 OR AMS 4025 OR AMS 40327 OR ASTM B209							
2	M304S18GA 020	304/316 .050 Sheet	11/14/12 Yes	192.00 sf	Yours ppd	\$3.3828	\$649.50
Special Inst: MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINISH AS MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316) OR ASTM A240 OR ASME SA240							
3	M2024T3S.063	2024-T3 .063 sheet	11/14/12 Yes	192.00 sf	Yours ppd	\$5.8521	\$1,123.60

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

PO Instructions: QUOTE : # PEC ST-506619

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 1

Change Date: 11/07/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18348**

Purchase Order Date 11/07/12

PO Print Date 11/07/12

Page Number 2 of 4

Order From : VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET
QQ-A-250/4 OR AMS-QQ-A-250/4 OR
AMS 4037
OR ASTM B209

4 M6061T6B2.000X01.250 6061-T6 Bar 2.00 x 1.25 11/14/12 ☒ 36.00 Yours ppd \$6.0000 \$216.00
010 Yes f

Special Inst: MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

5 M6061T6B1.000X12.000 6061-T6 Bar 1.00 x 12.00 11/14/12 ☒ 12.00 Yours ppd \$28.3333 \$340.00
005 Yes f 12.00

Special Inst: MATERIAL: 6061-
T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

6 M6061T6B1.250X01.250 6061-T6 Bar 1.25 x 1.25 11/14/12 ☒ 12.00 Yours ppd \$3.6670 \$44.00
003 Yes f

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

PO Instructions: QUOTE : # PEC ST-506619

No substitution or deviation without
consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 1

Change Date: 11/07/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18348**

Purchase Order Date 11/07/12

PO Print Date 11/07/12

Page Number 3 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst:

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

7 M6061T6B1.500X01.250

6061-T6 Bar 1.50 x 1.25

11/14/12
Yes

12.00 Yours ppd
f

\$4.5500

\$54.60

Special Inst:

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

8 M6061T6B2.500X03.500

6061-T6 Bar 2.50 x 3.50

11/14/12
Yes

12.00 Yours ppd
f

\$20.6600

\$247.92

Special Inst:

MATERIAL: 6061-T6/T651/T6510/6511T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8
OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR
ASTM B221

9 M303B1.000X2.000

303 BAR 1" X 2"

11/14/12
Yes

12.00 Yours ppd
f

\$33.8933

\$406.72

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

PO Instructions:

QUOTE : # PEC ST-506619

No substitution or deviation without consent.

Certificate of Conformity or Material
Certification required - YES NO

Change Nbr: 1

Change Date: 11/07/12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO18348**

Purchase Order Date 11/07/12

PO Print Date 11/07/12

Page Number 4 of 4

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Contact Name

Vendor Phone 905 669 9444

Vendor Fax 905 738 9033

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Special Inst: MATERIAL: AISI 303 SS BAR AS PER
ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

10	M304B0.250X4.000	304 BAR .250 x 4.00	11/14/12	24.00	Yours ppd	\$7.4800	\$179.52
			Yes	f			

Special Inst: MATERIAL: AISI 304/316 SS BAR OR
AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240
NOTE: AISI 303 NOT ACCEPTABLE

PO Total: \$3,681.86

MATERIAL CERTIFICATION
REQ'D UPON DELIVERY

PO Instructions:

QUOTE : # PEC ST-506619

Change Nbr: 1

Change Date: 11/07/12

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required **YES** NO